

19981127.ba v02_n320.bam.981127 v02_n321.bam.981127

>From ???@??? Fri Nov 27 23:01:33 1998
Message-Id: <199811271817.MAA14198@sco.theporch.com>
Date: Fri, 27 Nov 1998 12:14:20 CST
Subject: BOATANCHORS digest 2320

BOATANCHORS Digest 2320

Topics covered in this issue include:

- 1) Thanksgiving Jamboree freqs ?
by "The Harrahs" <harrah@ia.net>
- 2) addendum to Thanksgiving req.
by "The Harrahs" <harrah@ia.net>
- 3) Re: K6KPH OTA
by Kargokult@aol.com
- 4) re: SOS format
by Kargokult@aol.com
- 5) 51J3 product detector?
by gcr2@po.CWRU.Edu (George C. Rybicki)
- 6) re: SOS format
by Dick Dillman <ddillman@igc.apc.org>
- 7) Re: K6KPH OTA
by Kargokult@aol.com
- 8) Re: TV & French Engineering
by Gary Maples <misheb@execpc.com>
- 9) RE: R390A sources
by Glenn Finerman <glennfin@mjet.com>
- 10) Re: addendum to Thanksgiving req.
by "Arden Allen" <gumbear@pacbell.net>
- 11) Re: SOS format
by "Arden Allen" <gumbear@pacbell.net>
- 12) Re: SOS format
by "Arden Allen" <gumbear@pacbell.net>
- 13) RE: addendum to Thanksgiving req.
by "Jim Berry" <basalop@gte.net>
- 14) RE: 51J3 product detector?
by "David Newkirk" <dpnewkirk@home.com>
- 15) RE: Tek 529
by midshires@cix.co.uk (Andrew Emmerson)
- 16) RE: addendum to Thanksgiving req.
by Ed Sieb <esieb@gmsiworld.com>
- 17) Re: 51J3 product detector?
by Al Parker <anchor@coastalnet.com>
- 18) Re: WTB Ampex R-R Recorder(s)
by "A.B. Bonds" <ab@vuse.vanderbilt.edu>
- 19) HW-16 Question

by "Wallace Gibbons" <rockwall@tcsourseone.com>
20) Free for Shipping
by "Robert Nickels" <ranickel@mwci.net>
21) Re: TV & French Engineering
by ail0@lehigh.edu (ARTHUR I. LARKY)
22) Re: Tektronix terminal strips
by Henry van Cleef <vancleef@netcom.com>

Message-ID: <00ef01be19a4\$fc20ede0\$2dd0a0cd@harrah-zeus.inav.net>
From: "The Harrahs" <harrah@ia.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Thanksgiving Jamboree freqs ?
Date: Thu, 26 Nov 1998 19:26:12 -0600
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Hollowstaters.

I'm about to officialy earn at least my first stripe. (For the last year all I've done is sit along the wall and watch/listen. But, today I spent the day getting ready for my first AM 'event' on-the-dance-floor.

Put together a VIKING II transmitter and VFO for the first wringout, and paired them with my SX-101. Unless there is a fire, it should be FUN! First contact (tonight?) is to be my buddy Brian, WA5UEK, but tomorrow between babysitting whilst the womenfold BAKE and war movies with my Father-in-law, I hope to make a few AM contacts for fun. Right now I'm on 7175, as Brian heard that is a new BA open spot, due to no BC station there...

I read thru the story in Nov. ER about the Thanksgiving weekend events, but, am looking for specific frequencies to work at. (As many knobs as there are to tune, I'm set up for 40 and may try to stay there!)

Any info appreciated.

Wayne "Buzz" Harrah, ke0ms
harrah@ia.net (home email)
<http://www.ia.net/~harrah>

Q: If you choke a Smurf, what color does it turn?

Message-ID: <00f901be19a7\$adebd7e0\$2dd0a0cd@harrah-zeus.inav.net>
From: "The Harrahs" <harrah@ia.net>

To: Old Tube Radios <boatanchors@theporch.com>
Subject: addendum to Thanksgiving req.
Date: Thu, 26 Nov 1998 19:45:55 -0600
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

BoatPeople,

well, I am now hearing some sort of BC station carrier on 7175. So, not sure where I should try to listen for AM stuff. I guess I'll tune around some and see what I can find. Brian's info about 7175 must have some caveats to it.

recently saw that 7290 is a BA AM freq on 40, but, I hear a LOUD BC station there right now.

Hmmmmmm.... Time to go snooping.

BTW, Sorry for slightly off-topic, but, in stringing up by BA antenna (see my previous post) I got some pine-tar (sap) in my hair today while trying for more height.... anybody got any good ideas for getting it out (other than just getting out the scissors?-- my WIFE thought of that already!)?
Luckily, it is only one spot, but it's up on top, size of a nickel. Want to avoid scissors if I can!

Hope you all have remembered to be THANKFUL on this Thanksgiving. I sure am.

buzz

Wayne "Buzz" Harrah, ke0ms
harrah@ia.net (home email)
<http://www.ia.net/~harrah>

Q: If you choke a Smurf, what color does it turn?

From: Kargokult@aol.com
Message-ID: <25b0ad47.365e05ff@aol.com>
Date: Thu, 26 Nov 1998 20:53:03 EST
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Subject: Re: K6KPH OTA
Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

In a message dated 98-11-26 15:16:51 EST, ddillman@igc.apc.org writes:

> Tom and i agreed it was a real thrill to hear a version of KPH back on the
> air again, using appropriate operating techniques and equipment.

---wow !!

---and, some humble suggestions:

1. post the above to rec.shortwave
2. have some kinda real cool QSL made up
3. for some of us who are "OffTA", or SWLs, how about an occasional
wx broadcast w/ varying code speeds ?

tnx, hue

From: Kargokult@aol.com
Message-ID: <7bb5ac92.365e0a45@aol.com>
Date: Thu, 26 Nov 1998 21:11:17 EST
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Subject: re: SOS format
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

i found this instructional information among Alaska Steamship Co.
papers:

SOS SSSS SOS SSSS SOS SSSS
5939 14530 NW
235 TRUE
13 KNT
MOUNT MCKINLEY
231837

At end of message always sign off with AR.
If attacked by aircraft send SOS AAAA
If attacked by surface raider send SOS RRRR
If attacked by submarine send SOS SSSS
If having struck a mine send SOS MMMM

end quote. now, my question is, the last line is time,
are the 'true' and 'knt' lines, the bearing and speed ??
what does 'true' mean, and 'true' in comparison to what?
tnx, hue

Message-Id: <199811270215.VAA17156@piglet.INS.CWRU.Edu>
Date: Thu, 26 Nov 1998 21:15:21 -0500 (EST)
From: gcr2@po.CWRU.Edu (George C. Rybicki)
To: Old Tube Radios <boatanchors@theporch.com>
Subject: 51J3 product detector?

While planning to add a product detector to my 51J I collected what I thought were all the articles on the subject. Most involved subbing a 6BE6 for a 6BA6 and some rewiring.

Well I always thought the set played pretty well on SSB and when I examined the detector

BFO area I found someone had already made a product detector mod. It seems to involve

rewiring the detector/avc amp and maybe something down the line as a product detector.

It works pretty darn well and requires no new tubes or sockets. Has anyone seen this mod

in one of the old ham rags? Did the factory do it? Thanks George

Date: Thu, 26 Nov 1998 18:56:22 -0800 (PST)
Message-Id: <2.2.16.19981126185340.42ff1abe@pop.igc.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: Dick Dillman <ddillman@igc.apc.org>
Subject: re: SOS format

At 09:11 PM 11/26/98 EST, Kargokult@aol.com wrote:

>i found this instructional information among Alaska Steamship Co.
>papers:

Nice find!

>SOS SSSS SOS SSSS SOS SSSS

>5939 14530 NW

>235 TRUE

>13 KNT

>MOUNT MCKINLEY

>231837

>

>At end of message always sign off with AR.

>If attacked by aircraft send SOS AAAA

>If attacked by surface raider send SOS RRRR

>If attacked by submarine send SOS SSSS

>If having struck a mine send SOS MMMM

>

>end quote. now, my question is, the last line is time,
>are the 'true' and 'knt' lines, the bearing and speed ??

Exactly.

>what does 'true' mean, and 'true' in comparison to what?

That would be true north (the north geographic pole) as opposed to magnetic north which varies significantly from true north depending on where you are (it's 17deg E variation here in San Francisco if I remember right).

73,

Dick

Dick Dillman
<ddillman@igc.apc.org>
WPE2VT W6AWO
Collector Of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From: Kargokult@aol.com
Message-ID: <9940749a.365e21ec@aol.com>
Date: Thu, 26 Nov 1998 22:52:12 EST
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Subject: Re: K6KPH OTA
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

dick, besides operating KPH's [was going to use 'ghost'
or 'shadow' here, but can't find right word], does the
Maritime Radio Historical Society envision any other
games / endeavors / researches?
(and i do realize this is just 2 (?) people with probably
enuff to keep them busy in their 'other lives'.)
tnx, hue
"Sargent model 12 - Sensitivity, Selectivity, Flexibililty in
a marine receiver, without the noise of a superhet. The
circuit preferred by many cw men". [cw persons]

Message-ID: <365E25B2.CDF78FCD@execpc.com>
Date: Thu, 26 Nov 1998 22:08:19 -0600
From: Gary Maples <misheb@execpc.com>

MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: TV & French Engineering
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"French Engineering" Isn't that an oxymoron?

Gary W9OAK

Message-Id: <199811270418.WAA18817@sco.theporch.com>
Date: Thu, 26 Nov 1998 23:22:56 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Glenn Finerman <glennfin@mjet.com>
Subject: RE: R390A sources
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I would like to add the following to the R-390A source list;

Pete Grave, 610-847-2214 Located in Ottsville, PA

Pete has St Juliens R390A's available with and without meters.

73.....Glenn Finerman K2KL

glennfin@mjet.com

Message-Id: <199811270432.UAA25690@mail-gw6.pacbell.net>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: addendum to Thanksgiving req.
Date: Thu, 26 Nov 1998 20:33:13 -0800
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> I got some pine-tar (sap) in my hair today while trying
> for more height.... anybody got any good ideas for getting it out.....?

Acetone! Works great with chewing gum too. You might feel a burning sensation on the scalp the longer it takes to wash it out, nothing serious. Don't set your head on fire.....

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Message-Id: <199811270446.UAA28201@mail-gw6.pacbell.net>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: SOS format
Date: Thu, 26 Nov 1998 20:43:21 -0800
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> now, my question is, the last line is time,
> are the 'true' and 'knt' lines, the bearing and speed ??
> what does 'true' mean, and 'true' in comparison to what?

Speed in KNOTS (nautical miles per hour), of course. Bearing is with respect to the ships heading. The ship's heading is with respect to TRUE NORTH as opposed to MAGNETIC NORTH. True headings and hence bearings are derived from the ships gyroscope which tracks true north. Bearings are displayed on a gyro repeater which looks somewhat like a magnetic compass but is a servo (or is it synchro?) receiver. Hope I got everything right.....

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Message-Id: <199811270452.UAA29386@mail-gw6.pacbell.net>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: SOS format
Date: Thu, 26 Nov 1998 20:53:11 -0800
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Correction:

True bearing is with respect to the ship's POSITION. Relative bearing would be with respect to the ship's heading. I knew it didn't sound right at first.....

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

From: "Jim Berry" <basalop@gte.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: addendum to Thanksgiving req.
Date: Thu, 26 Nov 1998 22:21:25 -0800
Message-ID: <002501be19ce\$2915bb40\$a749fdd0@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Old timers used to use bacon grease. Common cooking oil will do the same job desolving the stuff.

73 Jim K7SLI

> > I got some pine-tar (sap) in my hair today while trying
> > for more height.... anybody got any good ideas for getting it out.....?

From: "David Newkirk" <dpnewkirk@home.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: 51J3 product detector?
Date: Fri, 27 Nov 1998 07:14:27 -0500
Message-ID: <000001be19ff\$7aad86a0\$33940318@ccc632587-a.vron1.nj.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

George Rybicki wrote:

> I found someone had already made a product detector mod.
> It seems to involve
> rewiring the detector/avc amp and maybe something down the line
> as a product detector.
> It works pretty darn well and requires no new tubes or sockets.
> Has anyone seen this mod
> in one of the old ham rags?

That sounds like the one from Ralph Saroyan, W6JPU, "A Product Detector for the 51J-4," Hints and Kinks, QST, September 1971, page 47.

73,

Dave Newkirk, W9VES
dpnewkirk@home.com
** want list: R-648 **

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Fri, 27 Nov 1998 12:38 +0000 (GMT Standard Time)
From: midshires@cix.co.uk (Andrew Emmerson)
Subject: RE: Tek 529
To: Old Tube Radios <boatanchors@theporch.com>
CC: midshires@cix.co.uk
Message-Id: <memo.19981127123820.22087E@midshires.compulink.co.uk>

> boatanchor Tek 529 TV waveform monitor. This is an amazing device

You can say that again; they still turn up over here, largely because they last for ever and ever, and because they were everybody's favourite toy. The IBA Independent Broadcasting Authority) had a range of additional graticules designed for it to allow extra tests to be made easily. The ones sold here are called traffic light boxes because they had four different coloured lights that lit up according to the line standard (405, 525, 625 and 819). Nice to see 405 and 819 still waving a flag in workshops!

Andrew Emmerson/405 Alive
tel: 07000-405625, international +44 1604-844130
fax: 01604-821647, international +44 1604-821647

Message-ID: <01BE19EA.985B1420@esieb.gmsiworld.com>
From: Ed Sieb <esieb@gmsiworld.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: addendum to Thanksgiving req.
Date: Fri, 27 Nov 1998 09:44:54 -0500
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

In the evening, after sun-down, you'll definitely hear something on virtually every frequency above 7100 Kc. This is why most AM operations change to 80 or 160 M in the evenings. If you're set up, try 3880-3885 or 1885-1890, 1945, or 1985.

On the other hand, 40 during the day is great for AM contacts, and on week-end days, 7290-7295
Is very active.

Ed, VA3ES

Message-Id: <3.0.5.32.19981127103117.007e6270@mail1.coastalnet.com>
Date: Fri, 27 Nov 1998 10:31:17 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Al Parker <anchor@coastalnet.com>
Subject: Re: 51J3 product detector?
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 09:15 PM 11/26/98 -0500, George C. Rybicki wrote:

>While planning to add a product detector to my 51J I collected what I
thought were
>all the articles on the subject. Most involved subbing a 6BE6 for a 6BA6
and some rewiring.
>Well I always thought the set played pretty well on SSB and when I
examined the detector
>BFO area I found someone had already made a product detector mod. It seems
to involve
>rewiring the detector/avc amp and maybe something down the line as a
product detector.
>It works pretty darn well and requires no new tubes or sockets. Has anyone
seen this mod
>in one of the old ham rags? Did the factory do it? Thanks George
>
>

Hi George,

I also have a 51J3/R388. But my question/answer is toward the 75A3, which
I acquired this Sept. I knew the original owner, & got it from his
son-in-law, who had been holding it for the grandson, who, at 30-ish, has
shown no interest. Anyhow, the manual for the A3 has references noted in
pencil to several prod. det. articles, and it appears that the orig. owner
had made some mods, as the AM position is mute. But, alas, no copies of
the schematics, so I don't know what's been done (haven't spent the time
yet to trace out.

The following are articles listed. As my mind warms up, I do have a
folder of old articles on the subject somewhere, as I was thinking about
doing it on the R388 (don't think I will, tho'). I'll search it up, maybe
we can help each other.

The A3 noted articles:

CQ 11/56 pg 19
CQ 11/69 "modifying the 75A3"
CQ 12/59 "75S1 prod. det."
(no ref. date) "75A modification"
QST 7/55
4/55 "75A4 Prod. Det."

The son-in-law, an old friend of mine, said that he figured his f-i-l had
made the mods, if they were noted. He had worked for RCA at Riverhead,

L.I., back in the early years, and was well qualified.

Here's the other stuff, also hv the ER 7/91 articles by Dallas Lankford:

CQ 12/68 "more updated impr. for 51J's"

CQ 4/61 "Single tube Prod. Det."

check Jose, EB5AGV,'s web site for more R388 & 51J info

www.geocities.com/siliconvalley/6992/r388_1.htm

I don't have copies of the first group of references, but do have the last group. If I have anything you don't, let me know if you want copies. If you have any of the first group, let me know if it is useful.

My 75A3 needs some re-capping befor it's real useful. It had been in a heated basement's unheated storage area for about 10 yrs. Hope to get back to it soon.

73,

73,

Al, W8UT

New Bern, NC

Boat Anchors appreciated here

anchor@coastalnet.com

Message-Id: <1.5.4.32.19981127160900.009f3f34@mailhost.vuse.vanderbilt.edu>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Fri, 27 Nov 1998 10:09:00 -0600

To: Old Tube Radios <boatanchors@theporch.com>

From: "A.B. Bonds" <ab@vuse.vanderbilt.edu>

Subject: Re: WTB Ampex R-R Recorder(s)

At 12:20 AM 11/26/98 -0600, you wrote:

>Hi All,

>

>I dont know if these recorders qualify as BA's or not but I think most of
>the old ones used tubes. These are the old 7" or larger reel-to reel
>recorders. Electronics can be broken but mechanical drive mechanism must
>work. A half inch wide tape, multi-channel unit would be great. Or what
>have you.

>

>I cant find any model info. on these guys so please be specific in your
>description. If someone has specs on the various old models I would be
>interested in that info.

>

Ampex had two basic lines, the 400-300 and the 600. They started out with a

short-lived 200, rarely found, then moved to the 400. This was a 10.5" reel machine with two motors (the reel drive motor pivoted via some humongo solenoids). When in good nick they work very well, but there is often a problem with the constant tension arm, a feedback brake that can oscillate if not set properly. The finest (IMHO) studio machine is the 350, a three-motor machine built like a tank. I have seen dozens of these decks still in use after 30+ years, revived via new electronics. Count on prices anywhere from about \$200 to \$800 for this line. Shipping will kill you, these weight upwards of 150 lbs altogether.

The 600 line appeared in the mid-late 50's and came in both mono and stereo. It is allegedly portable, comes in a very nice Samsonite suitcase and has a handle. Weight runs about 40 lbs for a stereo unit. They take 7" reels, are single speed, usually 7.5 ips. Also a very fine recorder with nearly the performance of the 350. I have a 600-2 (stereo, 2-track) that still makes 14 kHz about 2 dB down, solid 56 dB s/n. These will run anywhere from \$75 to \$400. Used studio Ampexes often pop up on the rec.audio.pro newsgroup.

Be aware that head condition is everything. You can sometimes get heads relapped if there is any metal left, but an Ampex is not worth buying if the heads are shot. If they are working right, you can slam a clean signal onto tape at a level that is several dB higher than virtually anything else made.

Again IMHO, no other Ampexes are worth the trouble to fix up.

A. B. Bonds

Message-ID: <365EDCBE.E38382C2@tcsourceone.com>
Date: Fri, 27 Nov 1998 10:09:19 -0700
From: "Wallace Gibbons" <rockwall@tcsourceone.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: HW-16 Question
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings, everyone

Been working on my "novice station", a nice HW-16. Getting about 35 watts out on 80 and 40 meters. Wondering what other peoples HW-16's are doing?

Also, receiver seems a little deaf on 15 meters. Peaks nicely, but has a difficult time hearing even 5 microvolts. Anybody done a sensitivity check and has a quick checking data point.

Thanks for any input.

Wally Gibbons
rockwall@tcsourseone.com

Message-ID: <00d901be1a2d\$fb64f2a0\$d02fcfd1@default>
From: "Robert Nickels" <ranickel@mwci.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Free for Shipping
Date: Fri, 27 Nov 1998 11:43:58 -0600
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

As the first installment in my post-Thanksgiving and pre-moving-to-a-bigger-house Sale, I would like to offer the following to BA list members - free for the cost of shipping to you:

1. Knight T-60. Some called this a "gutless wonder" but this one literally is! Cabinet, meter, panel, tube sockets, variable caps, connectors, most knobs intact - otherwise stripped. Here is your chance to put an 811A final in a T-60 - or re-build as-was!

2. Tek T-921 o'scope - broken. Literally, this little 10mhz scope was dropped by a clumsy maintenance guy and the plastic cabinet broke in two. It worked after that, but then something failed in the 160 volt p/s and I don't have time to fix it. Surely someone is willing to fix it - should be a nice monitor scope as the CRT is like new. Oh yeah, it has one tube!

3, Heath IM-25 - Vacuum Tube-less Volt Meter. Probably works. Only problem is the meter bezel is missing. (What d'ya expect for nothin? Ruuuuuuubbbbbber biscuit??)

Rules of Ware apply, or if you wish, help me find a pair of 4-400As, old radio ID jingle tapes, or just send a few bucks to your local food bank...

73 - and - Switch to Safety!

Bob W9RAN
NOTE: History Channel is running "Victory at Sea" all day today!

Message-Id: <199811271750.MAA41096@ns3-1.CC.Lehigh.EDU>
Date: Fri, 27 Nov 1998 12:50:12 EST
From: ail0@lehigh.edu (ARTHUR I. LARKY)
Subject: Re: TV & French Engineering

To: Old Tube Radios <boatanchors@theporch.com>

>> Wasn't the 1000' tower (Eifel Tower, no doubt) built by Americans? To
>> the French's credit, however, they did give us the Statue of Liberty; we
>> got the better deal.

Arden Allen wrote:

>Yeah? Didn't we just finish overhauling it? Seems like it was falling
>apart!

I seem to remember that one reason that it needed overhauling was that we
put the arm on wrong when we assembled it on Bedloe's Island. I guess the
instructions were in French. (Batteries not included?)

Art K3HBA

From: Henry van Cleef <vancleef@netcom.com>
Message-Id: <199811271813.KAA25994@netcom13.netcom.com>
Subject: Re: Tektronix terminal strips
To: Old Tube Radios <boatanchors@theporch.com>
Date: Fri, 27 Nov 1998 11:13:56 -0700 (MST)
Cc: boatanchors@theporch.com
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

As Jim Garland W8ZR discourses

>

> As many of you know, Tektronix elevated the humble terminal strip to an
> art form in its vacuum tube oscilloscopes. The terminal strips come in
> numerous styles and sizes, but in general they are made of a beautiful
> glossy white enamel, with silver indentations for mounting components and
> wires. They are to be used only with a silver-alloy solder. Use of ordinary
> lead-tin solder causes the silver plating to delaminate from the ceramic.
> Most oscilloscopes had little spools of the solder afixed to the innards,
> for servicing purposes.

I've seen a request that either Stan or I make some comment here. I
don't think Stan is following this list any more, and he's had tons of
experience with ceramic strip soldering compared to me----although
I've soldered plenty of them myself, and have never had any trouble
with them. Tektronix's solder schools (which I had to teach on
occasion, and I imagine Stan has taught as well) were quite simple,
with no real tricks. In general, if you know how to handle a
soldering iron and pewter alloys (solder is a "pewter") you should not
have trouble.

First of all, let's review how these things were made. They are a

white ceramic which was molded into shape and fired, without any coating. This is a standard process with ceramics going back to prehistoric times. Tek used a "continuous" line for firing; that is, the strips went into one end of a firing furnace that was a long tunnel with a conveyer to move the objects being fired. They came out the other end as fired "green" strips (i.e., dull finish, no coating).

In the second phase of the process, they were painted with glass frit material. This is also a standard ceramics process. Frit is a ground glass with a flux mixed in (same thing as working with pewter alloys in soldering or with brass in brazing) which prevents oxidation and lowers the melting point of the frit. It is generally suspended in a lacquer for easy application to the ceramic. This provides the glaze surface and seals the ceramic surface. The frit applied to the notches has silver mixed in with it. Once the frit is applied, the strips are refired at a lower temperature to make the frit melt and flow into the glaze surface.

These are standard ceramics processes described in the literature, and both amateur and professional ceramics workers use exactly the same processes---if you go to a class to learn how to make pots and fire them, you are looking at the same processes used by Tek to make the strips and the ceramic CRT bottles.

>

> My question is this: what is the factory-recommended temperature for
> soldering onto the strips with the supplied solder? I've been using about
> 750 degrees F, but have been having some trouble. Cooling my iron to 700
> degrees doesn't seem to help, and neither does raising the temperature. Any
> suggestions for soldering onto the strips would be appreciated.

Tektronix used a silver-bearing solder; that is, a near-eutectic (63% tin, 37% lead) pewter to which about 3% silver had been added. This does not prevent leaching the silver out of the frit, but slows it down considerably. The melting point of this alloy is around 40 or 50C more than for eutectic pewter. I have seen this sold in small quantities at Radio Shack recently. This isn't "silver solder" such as is used by jewelers for working with silverware and in other places as a "hard solder" for strength.

Tek's "general issue" irons to employees ca. 1960 were plain vanilla 120volt uncontrolled irons, with a 1/4" copper rod and a chisel point. Most of us in engineering just left these plugged in all day and used them as needed. The one problem with this setup is that the solder erodes the tip material, and the tip needs to be re-filed to a clean chisel point pretty regularly. These are 45 watt irons. I still have one, but don't generally use it any more.

Today's temp-controlled irons, generally made for working with etched

circuit boards and SMT devices, are a bit small and their highest temp is a bit cool for working with ceramic strips. You need a slightly higher temperature, and good thermal mass in the iron. Getting an existing joint in an old scope to melt can be difficult. If the chisel tip is narrower than the strip notch, heating from the top generally will get a melt started reasonably quickly. Since leads are not formed, but just laid in the notch, they will pop out once you have the solder melted. I would not use solder wick with ceramic strips. Just clean out enough of the old solder (use a pump-type solder sucker) to work with the notch. Reinstallation of leads in a Tek scope generally used the existing solder in the notch, plus a little added, and just enough heat to assure good flow in the notch.

Be sure to do a good flux cleanup afterward. In production, Tek used ground walnut shells in a process similar to sandblasting to clean the ceramic strips after soldering was done. For repairs and home construction, a Q-tip moistened with a flux solvent will do the job.

On an old scope, a cleanup (Q-tip and solvent) of the high voltage and focus-intensity chassis ceramic strips is a good idea. Plain household ammonia will cut most of the crud that is collected on these strips. If there is a prolonged flashover on a crud-coated strip, the temperature of the flashover will remelt the frit and burn in some of the crud products (generally, carbon from carbohydrates), and is difficult to repair, as you've got a conductive track in the glaze that won't come out with solvents.

--

=====
Hank van Cleef
=====

End of BOATANCHORS Digest 2320

>From ???@??? Sat Nov 28 10:12:06 1998
Message-Id: <199811280408.WAA01771@sco.theporch.com>
Date: Fri, 27 Nov 1998 22:07:02 CST
Subject: BOATANCHORS digest 2321

BOATANCHORS Digest 2321

Topics covered in this issue include:

- 1) Tar in the hair

by ail0@lehigh.edu (ARTHUR I. LARKY)

- 2) Re: Tektronix terminal strips
by Bill Hawkins <bill@iaxs.net>
- 3) French engineering
by Scott Robinson <spr@earthlink.net>
- 4) EARLY TV
by JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
- 5) Tonight: work 1M0's 1923 Trans Atlantic transmitter, it's using four 203
tubes
by John Dilks <oldradio@worldnet.att.net>
- 6) : French engineering (ad nauseam)
by WF2U <mbendror@villagenet.com>
- 7) RE: Tonight: work 1M0's 1923 Trans Atlantic transmitter, it's using four 203
tubes
by "Christopher A. Bowne" <radiobwn@riconnect.com>
- 8) FS: Ham 120/129 bits, including dials
by "A.B. Bonds" <ab@vuse.vanderbilt.edu>
- 9) BA Literature/Misc FS
by don merz <71333.144@compuserve.com>
- 10) Johnson Adventurer meter
by Edward Zeranski <ejz@nosc.mil>
- 11) Re: HW-16 Question
by Larry Kayser <kayser@rideau.net>
- 12) WTB: PRC-6 Accessories
by Dick Dillman <ddillman@igc.apc.org>
- 13) WTB: monitor scope
by "The Harrahs" <harrah@ia.net>
- 14) Using the Wireless #19 SET
by Jerry Proc <jproc@idirect.com>
- 15) French Engineering
by "Roberta J. Barmore" <rbarmore@indy.net>
- 16) Re: TV & French Engineering
by Henry van Cleef <vancleef@netcom.com>
- 17) Re: French Engineering
by "Arden Allen" <gumbear@pacbell.net>
- 18) Re: Need help with XYL's boatanchor
by hikrbikr@erols.com

Message-Id: <199811271814.NAA54634@ns3-1.CC.Lehigh.EDU>

Date: Fri, 27 Nov 1998 13:14:51 EST

From: ail0@lehigh.edu (ARTHUR I. LARKY)

Subject: Tar in the hair

To: Old Tube Radios <boatanchors@theporch.com>

>BTW, Sorry for slightly off-topic, but, in stringing up by BA antenna (see
>my previous post) I got some pine-tar (sap) in my hair today while trying

>for more height.... anybody got any good ideas for getting it out (other
>than just getting out the scissors?-- my WIFE thought of that already!)?.
>Luckily, it is only one spot, but it's up on top, size of a nickel. Want to
>avoid scissors if I can!
>buzz

In 1942 when the Uboats were sinking ships off the New Jersey coast, we'd get tar on our feet from walking the beach among the wreckage. We used kerosene to wash it off. You could watch the Uboats on the horizon that summer. (I've just been watching Victory at Sea on the History Channel; they showed shots of the Jersey shore.)
Art K3HBA

Date: Fri, 27 Nov 1998 13:08:45 -0600 (CST)
From: Bill Hawkins <bill@iaxs.net>
Message-Id: <199811271908.NAA21269@citrus.iaxs.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Tektronix terminal strips

Many thanks for the reply, Hank. Certainly answered the questions about soldering. You mentioned the effect of flashover due to built-up crud in the HV area. But the original question was about migration of the silver between notches. Since you didn't bring it up, I'd guess it was another kind of urban legend. The real mechanism is burning a track in the glaze.

Regards,
Bill Hawkins

Message-Id: <v03007800b284d2f1abe7@[153.34.29.32]>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable
Date: Fri, 27 Nov 1998 14:09:30 -0800
To: Old Tube Radios <boatanchors@theporch.com>
From: Scott Robinson <spr@earthlink.net>
Subject: French engineering

Well, the post 1966 DS series of Citro=EBn engines and gearboxes will usually run 300,000 miles without a rebuild. They must be doing some engineering somewhere...and they do give the world's best ride.

Regards,

Scott Robinson
spr@earthlink.net

Junque is GOOD for you!

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit
Date: Fri, 27 Nov 1998 16:38:16 -0500 (EST)
Subject: EARLY TV
To: Old Tube Radios <boatanchors@theporch.com>
From: JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
Message-ID: <9811271638.aa12412@pcusa01.ecunet.org>

To: boatanchors@theporch.com

> I'll keep this very brief but... nobody should feel 'ashamed' about any
> TV standard, not even VHS.
> ...
> Having seen and enjoyed PAL, SECAM and NTSC pictures, I'd say that
> whatever NTSC may lack in vertical resolution is made up by the faster
> refresh rate. So nobody is at a disadvantage!

NTSC also lacks in horizontal resolution. PAL in most countries has an extra MHz of video bandwidth. That's one reason the channel spacing is different.

In 1963, the first time I ever saw 625 (B&W) line TV in Germany, I was amazed at the extra detail. For example, I could clearly see individual strands of hair on performers' heads.

-John Sehring (10:43 am Fri, Nov 27, 1998 at Custer, SD USA) ucc wb2eqg

Message-ID: <365F2164.29C7@worldnet.att.net>
Date: Fri, 27 Nov 1998 17:02:12 -0500
From: John Dilks <oldradio@worldnet.att.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Tonight: work 1M0's 1923 Trans Atlantic transmitter, it's using four 203 tubes
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

This month the Antique Wireless Association celebrates the 75th anniversary of the first transatlantic QSO. They will use a replica of 1M0's transmitter with four 203 tubes. You can listen to, or work, the

replica transmitter on 80 meters, from the AWA Museum station W2AN in up-state New York. On Friday Nov. 27, 1998 at 2300 UTC, on or about 3.525MHz. W2AN will be "working" amateur radio stations. Listen again on Nov. 28th., same time, same frequency.

Note: Use your receiver's wide filter, as this transmitter is a free running oscillator. It will be moving around somewhat.

For more info: http://www.ggw.org/awa/page_2/

--

73' John Dilks, K2TQN

Please visit my OldRadio Museum
<http://www.eht.com/oldradio/museum>

Webmaster for the Antique Wireless Association
<http://www.ggw.org/awa> Click on "Page 2"

--and--

for the New Jersey Antique Radio Club
<http://www.eht.com/oldradio>

-

Message-Id: <199811272229.RAA09306@vnet.villagenet.com>
Date: Fri, 27 Nov 1998 17:32:43 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: WF2U <mbendror@villagenet.com>
Subject: : French engineering (ad nauseam)
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

I concur with Scott on the Citroen DS series cars: besides, there's no other car in the world that rides as comfortably as the DS, especially the higher-end models. The DS suspension control was famous and working great before cars got computer chips.... I also wonder who engineered the super fast train system in France (TGV) if there's no French engineering - certainly not Amtrak!

Somebody wrote:>> Wasn't the 1000' tower (Eifel Tower, no doubt) built by Americans? To
>> the French's credit, however, they did give us the Statue of Liberty; we
>> got the better deal.

For your info: The Eiffel Tower was designed by Eiffel (French) and built

entirely by the French.

And as to the Statue of Liberty:

Arden Allen wrote:

>Yeah? Didn't we just finish overhauling it? Seems like it was falling
>apart

Well, the Brooklyn Bridge is falling apart too, after 100 years and it was designed by American engineers!

As a military history buff, I'll present a little tidbit of information: traditional military engineering which is a combination of architecture, civil and mechanical engineering was developed by the French and up to the advent of mechanized warfare the military engineering textbooks studied in West Point were mainly of French origin. Ever heard of the "Mini" bullet that revolutionized military rifles in the 19th. century? It was designed by one Minie - a Frenchman!

There are many other examples of successful French engineering (and science, etc.) but the BA forum is really not the place for this kind of discussion.

Just one more thing: if it wasn't for the French, we'd be singing "God save the Queen" as our national anthem, as the Union Jack would be flying on our flagpoles: don't ever forget that!

I had to get this tirade off my chest, because some people are just unaware that there is a world out there beside their own back yards!

73's from†† Meir, WF2U

Collector and user of† vintage amateur and military radio equipment.

Collector and user of vintage horse/cavalry equipment. "Boots and Saddles!"

"Boatanchors forever!"

E-mail address: mbendror@villagenet.com

Message-ID: <01BE1A36.672B4E00@mys15.riconnect.com>

From: "Christopher A. Bowne" <radiobwn@riconnect.com>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: RE: Tonight: work 1M0's 1923 Trans Atlantic transmitter, it's using four 203 tubes

Date: Fri, 27 Nov 1998 18:46:10 -0500

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: quoted-printable

And you really don't need a BFO to copy it - its running raw AC on the =

203s - what a unique signal - sounds great, and looks awesome on a =
modulation monitor scope!=20

I gave them a 59 RAC signal report - figured=20
RAC was more appropriate than any T number!

They hope to work 8AB in France later - what a pile up on them now. =
Some other interesting sounding signals calling them. I worked them =
about 1630 EST, before they crowd really showed up, with my pair of 211s =
MOPA (otherwise known as a BC-191F, with BD-77 dynamotor making the 1KV)

73,

Chris Bowne AJ1G
Stonington, CT
radiobwn@riconnect.com
AMI No. 211

Message-Id: <1.5.4.32.19981127234643.009f06a0@mailhost.vuse.vanderbilt.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Fri, 27 Nov 1998 17:46:43 -0600
To: Old Tube Radios <boatanchors@theporch.com>
From: "A.B. Bonds" <ab@vuse.vanderbilt.edu>
Subject: FS: Ham 120/129 bits, including dials

I have finished picking over an HQ120X carcass and have some bits for sale.
Of most interest is a pair of dials suitable for 120 or 129, 6050/6051, in
pretty good nick, I'd say at least an 8. No significant discoloration,
warping is less than 1/4", a little scuff on the main tuning dial but the
numbers are crisp and highly legible. \$15 shipped in US. In the event of
multiple requests, they will go to the owner of the 120X with the serial
number closest to the one they came off of....

All sorts of other parts are available, mainly RF, tuning caps, terminal
strips, etc.

It has a front panel that is straight and has no holes, but it will need
refinishing.

The black tuning escutcheons (which fit most Hammarlunds of the era) are
pretty decent. Two nice porcelain tube sockets. No knobs, power supply
components, volume control, meter (although do have meter front case) or
crystal. Reasonable, for small items I'll only want shipping, if you have a
good story, and it should involve a Hammarlund....

A. B. Bonds

Date: Fri, 27 Nov 1998 18:52:44 -0500
From: don merz <71333.144@compuserve.com>
Subject: BA Literature/Misc FS
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199811271855_MC2-61BC-BB7F@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

BA Literature and Misc For Sale

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228.
71333.144@compuserve.com

LITERATURE: Trades welcome for wanted stuff listed below.

ARC backissues (Antique Radio Classified). 35 issues including 1996 through most of 1998. For reference/propping up uneven table legs, etc. \$12 PPD/All

RCA Receiving Tube Manual RC-12. 1940. Light wear and minor chipping at spine edges. Very good. \$17 PPD

RCA Receiving Tube Manual RC-14. 1950. Wear at cover and spine edges. Very Good. \$17 PPD

RCA Transmitting Tubes TT-4. 1956. Covers all RCA TX tubes up to 4KW plate input. Light cover wear. Very good. \$19 PPD

73 Magazine, October, 1961. Cover ripped at spine. Free.

Filmstrip: Operation Of Radio Vacuum Tubes: 2-Element Vacuum Tube. B&W. Must be from the 30's--very old. Good, usable condition. \$8 PPD

Filmstrip: Operation Of Radio Vacuum Tubes: Rectification. B&W. Must be from the 30's. Very old. In good shape. \$8 PPD

Frank C. Jones, VHF For The Radio Amateur, 3rd printing, 1965. CQ Technical Series, Cover and spine wear. 108 pages. Good. \$8 PPD

Frank C. Jones, The Radio Handbook, 1936, spine and cover wear, cover corners chipped off. Otherwise good. A terrific 1930's reference. \$29 PPD

Allied Radio Dictionary of Electronic Terms, 5th printing, 1952. Near-mint. \$5 PPD

Noistop Instruction Manual. Looks like some sort of noise blanker add-on for early CB radios. Covers installation on 18 different brands including Gonset, Hallicrafters, Johnson, Polycomm, etc. \$6 PPD

Audel's New Electric Science Dictionary, 1945. Constantly running into unknown boatanchor terms like Generatrix? Conoidal? Schisiophone? Well search no more--here is your personal electric science rosetta stone. Near-mint condition. Just \$6 PPD

VHF Communications, A Publication For The Radio Amateur, Vol. 2 No 4, November, 1970. Published in english in the Federal Republic Of Germany. Excellent. \$3 PPD

Military AN/ARR-41 Radio Receiving Set Handbook Service Instructions,

NAVAIR 16-30ARR41-502, 1958. Punched for 3-ring binder, no covers, 100+ pages including foldouts. \$23 PPD

Military AN/UPX-4 Manual, Radar Recognition Set. Looks like 1950 or so but it is undated. Excellent condition. \$6 PPD

Webster-Chicago brochure "Wire Recorder Accessories." Torn cover. Free.

Harry Hooton, Amateur Antenna Tests and Measurements, Sams, 1977, excellent. \$9 PPD

Rider, The Oscillator AT Work, 1940, Hardback. "Dedicated to Florence who is still patient." Very good. \$13 PPD

Waldo Abbott, Handbook of Broadcasting, 1941, 2nd ed., McGraw Hill hardback. Covers studio operations. Neat section on sound-making machines for sound effects. \$11 PPD

Thordarson Amplifier Guide 346-D, 1941 paperback, covers Thordarson audio amplifiers including complete plans. \$10 PPD

James Millen brochure: Laboratory and Industrial Grid-Dip Meter, 4-page, 8-1/2x11, covers 90662-A dip meter in detail with sidebars on 90651 and 90661 meters. Excellent. \$9 PPD

Rider and Uslan, Encyclopedia of Cathode Ray Oscilloscopes, 1st ed., 1950, 980 pages, 8-1/2x11 format. A fabulously well-done and incredibly comprehensive tour of the oscilloscope. Covers all theory, current tube designs, dozens of commercial models, measurements with sample waveforms in literally hundreds of applications--unbelievable. Hardback. Very good condition. \$50 PPD

Ohmite Ohms Law Calculator. Original 1941 version of the cardboard ohms law slide-rule. Good condition. Trade for any other radio-related slide rule calculator.

Ohmite Parallel Resistance/Ohms Law calculator. Later 1949 version of the ohms law cardboard slide rule has Parallel Resistance calculator on one side and ohms law calculator on the other. I have 3 of these all in good shape to trade for any other radio-related cardboard calculator slide-rule.

AUDIO BA STUFF

Phillips EL-3784 stereo microphone. This looks like a plastic hand grenade on a 3-legged stand. This came with a Norelco tape recorder, I think. Has plastic grillwork missing 2 small pieces on one side. \$ 10 PPD

Magnacord PT-BAH reel-to-reel tape deck and matching PT-BN record/playback amplifier with built-in speaker. The amplifier is 19" rack mount but the deck is a 17" wide mount. Mono. 7" reels. Needs cleaned and electrically restored but has no visible damage or modifications so this should make a good project. As-is. \$25 shipped to your door in the east or \$35 shipped to the west.

BA MAGAZINES AND LITERATURE WANTED

GE Ham News and RCA Ham Tips: I have just a few of these and would like to find a bunch more.

73 Magazine: 1960: Any, 61: 2,7, 62: 9,10,11,12, 63: 1,2,4,6,7,8,9,10,11.
64: 1,12
CQ: 1/46 and 1971: 1,4,5
RADIO Magazine: 1931-1934: Any. 1935: 1,3,4,5,6,8,9. I have 1920's issues
of RADIO to trade for any of the ones I need.
R/9 Magazine: Need many issues from 1932-1934. Any pre-1932 issues wanted.
Radio News: 1925-1930: Just about any. 1938-1941: All
QST: 1921-1924: Need 27 issues. Let me know if you have any of these.
VHF Amateur: 8/61 and earlier issues wanted.
VHF Horizons: ANY 1962-1965.
AWA Review Volumes 2 or 5
AWA Old Timers Bulletin Pre-1974 issues.
Radio Bygones: Volume 12 to the present wanted.
RCA Review pre-1945 issues wanted.
RTTY Journal 1953-1960.
RTTY Magazine 1964 and earlier.

CONTACT: Don Merz, 47 Hazel Drive, Pittsburgh, PA 15228
71333.144@compuserve.com

Message-Id: <3.0.1.32.19981127161547.008ed3c0@marlin.nosc.mil>
Date: Fri, 27 Nov 1998 16:15:47 -0800
To: Old Tube Radios <boatanchors@theporch.com>
From: Edward Zeranski <ejz@nosc.mil>
Subject: Johnson Adventurer meter
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Recently picked up another Adventurer with a replacement meter. I guess the
stock meter is a high casualty item. Similar to DX-35 and HX-11??? Does
anyone have a meter face which could be xrock'd or scanned to duplicate the
scale. The meter on one TX is great Weston with proper 10 mil range so
swapping the card should be easy. Thanks folks!! Will cover costs and
inconvenience.

Ed Zeranski This is a private opinion or statement.
home email: ezeran@cris.com , ICQ # 3255293

Message-Id: <2.2.32.19981128021648.00676f14@rideau.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Fri, 27 Nov 1998 21:16:48 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Larry Kayser <kayser@rideau.net>
Subject: Re: HW-16 Question

Wally:

I am a fellow HW-16 owner myself, mine was a junker that was recovered by me for a G station who was looking for parts then didn't need it....

Power out 35 Watts, pretty good. The real deal is to protect the Compactron tube final, they are getting rare, rare in deed. Get some spare tubes while you can... 25 Watts output is much better than 35 watts output, less heat.

The RX on 15 meters is usually not very lively. Most of the problems can be traced to the bandswitch assembly. At the moment I have removed the bandswitch on mine, as part of a restoration project, and have hard wired the parts in place for one band, 80 at the moment. The performance improved radically once I removed the bandswitch completely, and soldered in the leads for 80 meter operation.

The QSK is really very good once you get at and tame the neon bulb oscillator that generates the sidetone.

I find the lil rig excellent for working two CW nets on 80, I enjoy it very much and it does seem very reliable. I also use it as a monitor receiver at times for my remote HF station, it is a hard rx to overload...

Larry
VA3LK / WA3ZIA

Date: Fri, 27 Nov 1998 18:17:41 -0800 (PST)
Message-Id: <2.2.16.19981127181458.10d708b4@pop.igc.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: Dick Dillman <ddillman@igc.apc.org>
Subject: WTB: PRC-6 Accessories

Can anyone supply or suggest where I might obtain any of the following for the PRC-6?

Crystals (for 52.525Mc/s)

Alignment Indicator ID-292

Handset H-33C

Antenna AT-249/GRD

A copy of "Power Up" or other information on constructing an replacement for battery BA-270/U

Thanks!

Dick

Dick Dillman
<ddillman@igc.apc.org>
WPE2VT W6AWO
Collector Of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

Message-ID: <002001be1a75\$c5931880\$2ed0a0cd@harrah-zeus.inav.net>
From: "The Harrahs" <harrah@ia.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: WTB: monitor scope
Date: Fri, 27 Nov 1998 20:20:33 -0600
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

BoatPeople,

Well! I've lost my AM 'innocense'! I got to work WA5UEK and had a very brief encounter with a VE5 this evening on 7185! AWESOME! (I hear someone else on 7185 now (after I had supper), but he is pretty weak; can't tell who it is....)

Now, Brian told me the next step for me is: "to stop driving with a blindfold on". To wit: I need (or would like to buy) a monitor scope to watch my AM/CW modulation waveforms with. So, I'm looking for an SB-610 (preferred) or an HO-10 that will work with my VIKING II.

I have company in-house for the holidays (all my WIFE's family tree) , and I'm late for a "mandatory formation" for STAR WARS TRIVIAL-PERSUIT, so, don't have time to look up whether or not these guys have any "proper" IF-requirements or anything I need to watch out for. They just monitor the waveforms transmitted in-line, don't they?

This AM STUFF is more fun than a Saturday night drive in..... well, more fun than it would be now that I'm 38, anyway! (No comparison when your 17...) But, I guess the last drive-in I knew about in Iowa was closed about two years ago (AMES), so, THAT comparison will be LOST on my 4 year old

daughter. (They don't do what we USED to do in drive-ins in WALK-INS, do they?) :)

Please let me know if there are any stray SB-610s or H0-10s out there. I'm not well off, but, I'd like to find one reasonably priced. I promise to give it a good home.

Would prefer a nice -610 (to match the other SB-104 and -630 I have), but I can be swayed to either if they are affordable and work. Please drop me a private email and I'll see how badly I can rob my daughter's Christmas budget and not get CAUGHT!

This AM stuff is COOL!

Wayne "Buzz" Harrah, ke0ms
harrah@ia.net (home email)
<http://www.ia.net/~harrah>

Message-ID: <365F6028.2F2C9E63@idirect.com>
Date: Fri, 27 Nov 1998 21:30:01 -0500
From: Jerry Proc <jproc@idirect.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Using the Wireless #19 SET
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Folks,

I've forwarded this message from VE3ORP. What a great way to try and use a Boatanchor. If anyone wants to participate, reply directly to :
va3orp@kos.net.

Subject: Wireless Set No. 19 Group
Date: Fri, 27 Nov 1998 18:02:21 -0500
From: "David Lawrence (VA3ORP)" <va3orp@kos.net>
To: Distribution List

Greetings!

The Wireless Set No. 19 Group is organizing a 19 Set to 19 Set, trans-Atlantic attempt for January 1999. We need your assistance to make it a success.

Specifically we need operators who have an operational 19 Sets and a 40 Metre antenna having good low-angle radiation characteristics (ie a vertical or really high dipole). In addition, people not having 19 Sets can be of great assistance by listening for the signals and sending a reception report (this will at least tell us if we are getting close!). The event

will likely take place on three consecutive Saturdays during January 1999.

Time will likely be 0500 GMT (ie midnight Friday/Saturday for those in the EST zone).

If you would like to participate, either actively or as a monitor, please advise me by simply replying to this email. I will not pester you with notices. The operating details will be sent only to those who are interested.

Forgive this form letter but it is the only way to get the information out to everyone quickly.

Cheers for now...Dave, VA3ORP (Kingston, Ontario, CANADA)

-

Regards,
Jerry Proc VE3FAB jproc@idirect.com
Web: www3.sympatico.ca/hrc/haida
HMCS HAIDA Naval Museum, Toronto Ontario

Date: Fri, 27 Nov 1998 21:43:45 -0500 (EST)
From: "Roberta J. Barmore" <rbarmore@indy.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: French Engineering
Message-ID: <Pine.SUN.3.96.981127211644.20198A-100000@indy3>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi!

I'll make this short as I can; but I started it, so it behooves me to speak up:

Let us not run down the French. Their engineering is first-rate--and if you can read even a little Fench, go have a look at the REF's pages: splendid ham stuff! (Even if you can't, give it a try; context and picture say a lot, too).

It is an advantage to the whole world that every country tends to design things, from forks to televisions, with their own slant. Among other things, it means that in a world where information circulates so very freely, a problem stumping one of us has probably already been solved by some clever soul somewhere else--and that solution can be found with only a little digging!

How dull things would be, without the French heading off on one tangent, the Russians another, the Brits and Americans and Canadians and Belgians and Italians (and on and on) all doing things *their* way--and then everything getting cross-pollinated and starting off on a zillion different tacks again!

I mean, gosh, take anything--say, timekeeping--and look at what happens: some wild-eyed Italian fellow notices that the period of a pendulum is constant and that leads to accurate clocks; then a German with crazy ideas shrinks the whole thing down, fiddles the pendulum notion and you've got portable time; then a nation of seafarers realizes a clock that'll keep dead-accurate time aboard a pitching ship is the key to good navigation and next thing you know, a British crank inventor perfects (against massive opposition from astronomers, who have another method in the works) accurate shipboard chronometers; and on and on. And from each step, a whole group of folks in every nation cranked out a family of technologies, all of it shaped by local needs and then crossing borders to produce new and unexpected offspring! That's the neat and wonderful thing--and it's what makes things like the very determined Frenchness of French engineering a gift not just to the French but in the long run, a gift to everyone else, too.

(And that Eiffel fellow was no slouch. In fact, he's why TV towers don't fall down all the time: got interested in wind-loading as an offshoot of the tower project, built one of the first and best wind tunnels to work on it, and sparked innovative work in aerodynamics as a result! Throw rocks at him, you may knock the Wright Brothers out of the sky...or just put Channel 11 off the air for awhile 'cos the ANSI-spec on towers isn't as good as it should be).

Everything's *connected;* could be your lights stay on from what somebody learned about nuke plants in France, or found out about durable insulators in Finland. It's a sure bet the thing I write this note on wouldn't be here without a British fellow with crazy ideas, a Frenchman who just wanted an automatic loom, and some Russians and Americans who thought the best way to be safe was to be ready to blow each other up.

73,

--Bobbi

KB9GKX "RJ" rbarmore@indy.net Roberta J. (Bobbi) Barmore
FISTS #3388 * G-QRP #10001 * ARRL * RSGB * WIA
Appreciator Of Vacuum-Tube Ham Gear and Vintage Keys

From: Henry van Cleef <vancleef@netcom.com>
Message-Id: <199811280245.SAA22702@netcom8.netcom.com>
Subject: Re: TV & French Engineering
To: Old Tube Radios <boatanchors@theporch.com>
Date: Fri, 27 Nov 1998 19:45:48 -0700 (MST)
Cc: boatanchors@theporch.com
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

As Don L. Davis discourses

>
> Wasn't the 1000' tower (Eifel Tower, no doubt) built by Americans? To
> the French's credit, however, they did give us the Statue of Liberty; we
> got the better deal.

The Tour Eiffel was designed by Gustave Eiffel and is a 100% French construction. The only thing "American" about it is the number of tourists who visit it.

The Statue of Liberty was designed by Bartholdi, a Frenchman, and is built as a set of skins over an iron framework. The framework was designed by none other than the same Gustave Eiffel of tower fame.

--

=====
Hank van Cleef
=====

Message-Id: <199811280319.TAA29747@mail-gw.pacbell.net>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: French Engineering
Date: Fri, 27 Nov 1998 19:20:09 -0800
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Bobbi confesses;

> I'll make this short as I can; but I started it, so it behooves me to
> speak up:

Sounds kinda poetical to me. But remember, "success has a thousand fathers, failure is an orphan". Probably some bastard will get the job of solving the world's population growth problem.....

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

From: hikrbikr@erols.com
Message-ID: <365F2FDA.550C@erols.com>
Date: Fri, 27 Nov 1998 23:03:55 +0000
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Need help with XYL's boatanchor
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Last December, I appealed to this group for help with a large Zenith console radio, model 10-S-567 from 1940. It has two shortwave bands, or rather a shortwave band and a police band. Anyway, my XYL bought this lovely creation (in extremely good condition) from EEB, the now-closed amateur radio store here in Vienna VA. The radio was not working when we hauled it home. Its former owner said he thought the antenna coil for the AM broadcast band was bad. Tonight, it's on line, playing WHAS in Louisville KY as if it were in nearby Fairfax VA. Beautiful rich audio is filling the cellar where it sits in the XYL's newly created exercise area. Shortwave reception is even better.

I got a ton of good advice from too many of you to name individually. Thanks to you all! For those who kindly contributed, I can report that the oscillator coil was broken in the AM broadcast winding, preventing reception in the manual tune mode. There was also a broken wire in the tone pushbutton module, which broke the signal path and was why there was no reception when we brought it home.

To fix the coil, I used an ohmmeter to localize the break, then following advice given by a member, carefully unwound and spliced the broken wire, and rewound it. While in the radio, I replaced all the old red Zenith paper bypass capacitors with yellow plastic ones, the warty-looking old dual electrolytic with modern Nichicons, and one or two resistors. I was surprised to find almost all the resistors were still within tolerance.

Several original tubes were not exactly the right ones. I found a 1232 (7G7) RF amp at the Vienna Winterfest among the ones vendor Ms. Patrick (Pat's Tubes) brought from West (ByGod!) Virginia last February, and

bought a now-rare glass envelope 6A8 from an audiophile at the Gaithersburg hamfest in September. I needed it to replace a metal 6A8 that it came with. This radio uses tube sockets that only have lugs for glass versions of its tube lineup, a Zenith trick that a BA member shared with me.

I had to replace some of the wiring, as predicted by another member, because its plastic insulation had dried, cracked and broken off. Heeding Dr. Van Cleef's prudent advice some time back, I also installed a fuse inside the chassis using an Zenith-provided hole to mount a fuse holder. And of course it has a new power cord.

This was an interesting project that got worked on in fits and starts (like most of my projects). It took quite a while, but it would have taken longer and probably not turned out as well were it not for your help, gentlemen. The XYL also sends her thanks.

73, Mike Steussy AE4R
hikrbikr@erols.com

End of BOATANCHORS Digest 2321
